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MICRO-36
Microcassette Tape Recorder

Owner's Manual
Please read before using this equipment.

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❒ Features

Your RadioShack MICRO-36 Microcassette Tape Recorder is ideal for quick note-taking. Its ultra-small size makes it easy to slip into a pocket or briefcase. You can use it at school, at business conferences, for dictation in the office, or anywhere on the go!

Built-In Microphone and Speaker — let you record and play back notes anywhere.

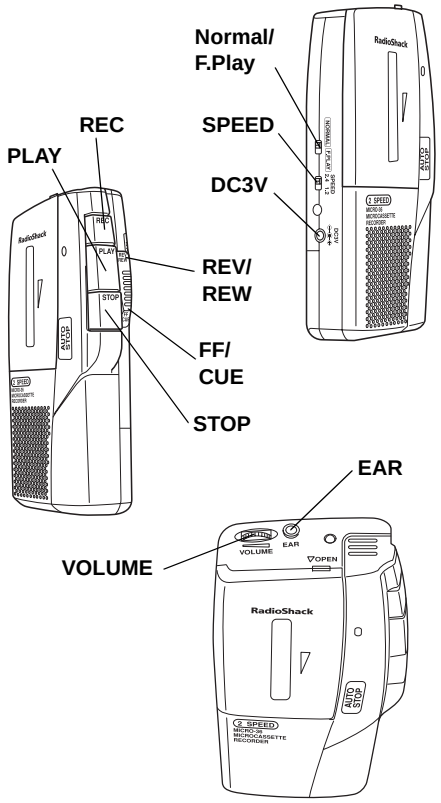
Quick Record — lets you instantly change from playback to record.

Tape Speed Switch — lets you record at normal or slow speed. Slow speed gives you twice the normal recording time.

Fast Play — lets you play a tape back about 25% faster than normal speed, to save time when listening to a tape.

Auto Stop — stops automatically when the tape reaches the end.

❒ A Quick Look at Your Recorder



❒ Preparation

To protect the recorder during shipment, a piece of paper is attached to the cassette door. Remove this paper before you use the recorder.

CONNECTING POWER

You can power your recorder from internal battery power, AC power (with an optional AC adapter), or your vehicle's battery (with an optional DC adapter).

Using Batteries

Your recorder requires two AA batteries (not supplied) for power. For the best performance and longest life, we recommend RadioShack alkaline batteries.

Cautions:

- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or

rechargeable batteries of different capacities.

- If you do not plan to use the recorder for several days, or if you plan to use only AC or vehicle battery power, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.

1. Slide the battery compartment cover in the direction of the arrow until it stops, then lift up the cover.

   Caution: The battery compartment cover is attached to the recorder. Do not try to remove it.

2. Place the batteries in the compartment as indicated by the polarity symbols (+ and –) marked inside.

3. Replace the cover.

Warning: Dispose of old batteries promptly and properly. Do not burn or bury them.

Using AC or DC Power

To power the recorder from an AC outlet or your vehicle's battery power, you need an AC or DC adapter and an Adaptaplug™

(neither supplied, available at your local RadioShack store).

Cautions:

You must use a (Class 2 for AC) power source that supplies 3 volts DC power and delivers at least 200 mA. The center tip of the Adaptaplug must be set to positive, and the plug must properly fit the recorder's **DC3V** jack. Using an AC adapter and plug that do not meet these specifications could damage the recorder, the adapter, or the plug.

- Always connect the adapter to the recorder before you plug it into the power source, and unplug the adapter from the power source before you unplug it from the recorder.

1. If necessary, set the adapter's voltage switch to **3V**.
2. Attach the Adaptaplug to the adapter's cord with the tip set to positive (+).
3. Insert the barrel plug into the recorder's **DC3V** jack. This disconnects the internal batteries.

4. Plug the other end of the adapter into the power source.

CONNECTING AN EARPHONE

You can use an optional mono earphone with a submini ($^3/_{32}$-inch) plug to listen to a tape in privacy.

Notes:

- You can also use an earphone to monitor what the recorder picks up through the internal microphone or an external microphone.
- Your local RadioShack store carries a wide selection of earphones.

Insert the earphone's plug into the recorder's **EAR** jack. The built-in speaker automatically disconnects.

Listening Safely

To protect your hearing, follow these guidelines when you use an earphone.

- Set the volume to the lowest setting before you begin listening. After you

begin listening, adjust the volume to a comfortable level.

- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.
- Once you set the volume, do not increase it. Over time, your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.

Traffic Safety

Do not wear an earphone while operating a motor vehicle or riding a bicycle. This can create a traffic hazard and could be illegal in some areas.

Even though some earphones let you hear some outside sounds when listening at normal volume levels, they still can present a traffic hazard.

❒ *Operation*

LOADING A MICROCASSETTE TAPE

We recommend MC-60 microcassette tapes for up to 2 hours of recording/playback time, or MC-90 microcassette tapes for up to 3 hours of recording/playback time.

1. Use a pencil to turn the cassette's hub and remove any tape slack. Avoid touching the tape.

2. Lift the latch and open the cassette compartment door.

3. Insert the microcassette into the door's guides so the microcassette's open edge faces out.

   Note: An arrow on the cassette compartment door shows the tape travel direction. Be sure the cassette's full reel is in the opposite direction from the arrow.

4. Close the door.

RECORDING

1. Load a cassette.

2. Set **SPEED** on the side of the recorder as follows:

   - To double the cassette's recording/playback time, set **SPEED** to **1.2**. This setting allows 120 minutes of total recording/playback time on an MC-60 tape, or 180 minutes on an MC-90 tape.

   - For better sound quality, set **SPEED** to **2.4**. This setting allows 60 minutes of total recording/playback time on an MC-60 tape, or 90 minutes on an MC-90 tape.

3. Press **REC** to begin recording. Both **REC** and **PLAY** lock down.

   Caution:

   - To protect the recorder, press **REC** only when a cassette is loaded.

   - Do not force down **REC**. If you cannot easily press **REC**, check the cassette's erase-protection tabs (see "Preventing Accidental Erasure" on Page 14).

Notes:

- The automatic level control circuit automatically sets the recording level. The **VOLUME** setting does not affect the recording level.
- To pause recording, slide **PAUSE/OFF** to **PAUSE**. To resume recording, slide **PAUSE/OFF** to **OFF**.

4. Press **STOP** to stop the cassette.

PLAYING A CASSETTE

1. Load the cassette.
2. Set **SPEED** to the speed used when the cassette was recorded.
3. To listen to the cassette at normal speed, set **NORMAL/F.PLAY** to **NORMAL**.

   To listen to the cassette at about 25% faster than normal speed, set **NORMAL/F.PLAY** to **F.PLAY**.
4. Press **PLAY**.
5. Adjust **VOLUME** to a comfortable listening level.

6. Press **STOP** to stop playback.

Rewinding/Fast-Forwarding

If you slide the switch to **REV REW** or **FF CUE** when the cassette is stopped, the cassette advances or rewinds until you press **STOP** or slide the switch to the position between **REV REW** and **FF CUE**.

To slide **REV REW/FF CUE** to the desired position, press the side of the switch opposite the side marked with the desired direction.

Caution: To protect the tape-handling parts, press **STOP** or slide **REV REW/FF CUE** to the center when the tape reaches the end.

If you slide the switch to **REV REW** or **FF CUE** during playback, you can hear the tape at a faster speed as it fast-forwards or rewinds. When you release the switch, the recorder resumes normal playback.

Quick Record

During playback, you can press **REC** to go directly to recording without pressing **STOP** first.

❒ *Tape Tips*

STORING A CASSETTE

Do not expose cassettes to high temperatures, high humidity, dust or dirt, or motors, transformers, or other sources with strong magnetic fields.

PREVENTING ACCIDENTAL ERASURE

Most cassettes have an erase-protection tab for each side of the cassette. To protect your recordings from being accidentally erased or recorded over, use a screwdriver to carefully break off the erase-protection tabs.

If you later decide to erase or record over the cassette, place a piece of strong tape over the holes.

Caution: Removing the erase-protection tabs does not prevent a cassette from being erased by a bulk tape eraser.

ERASING A CASSETTE

If you no longer want a recording, you can record over it or erase it.

To record over a cassette, be sure the erase-protection tabs are in place. Then simply record as usual. The recorder records over the previous recording.

You might prefer to use a bulk tape eraser which erases both sides of a tape in just a few seconds.

❒ Care

Keep the recorder dry; if it gets wet, wipe it dry immediately. Use and store the recorder only in normal temperature environments. Handle the recorder carefully; do not drop it. Keep the recorder away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

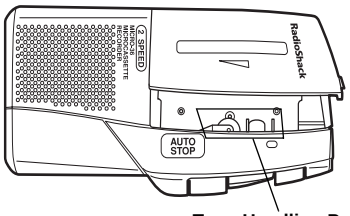
Modifying or tampering with the recorder's internal components can cause a malfunction and might invalidate its warranty. If your recorder is not performing as it should, take it to your local RadioShack store for assistance.

CLEANING THE TAPE-HANDLING PARTS

Dirt, dust, or particles of the tape's coating can accumulate on the tape heads and other parts that the tape touches. This can greatly reduce the performance of the recorder. Use the following cleaning procedure after every 20 hours of recorder operation.

1. Press **STOP**, remove the batteries, and disconnect any other power source.

2. Press **PLAY** to expose the tape-handling parts.



Tape-Handling Parts

3. Use a cotton swab dipped in tape head cleaning solution or denatured alcohol to gently clean the the tape-handling parts (record/playback head, pinch roller, capstan and tape guides).

4. Press **STOP** to release the tape-handling parts. Then close the cassette compartment door and reconnect power.

Note: For easier cleaning, you can use a microcassette cleaner kit, which includes a special cleaning tape. Your local RadioShack store carries a full line of cassette deck cleaning supplies.

❒ Specifications

Tape Type ..... Microcassette

Tracks ..... 2 Tracks, 1 Channel Monaural

Drive System ..... Capstan Drive

Tape Speed ..... 2.4 cm/sec. ($^{15}/_{16}$ ips)
1.2 cm/sec. ($^{15}/_{32}$ ips)

Recording Time (with MC-60):

2.4 cm/sec. ..... 30 min. per side

1.2 cm/sec. ..... 60 min. per side

Practical Max. Output ..... 200 mW

Frequency Response ..... 400–4,000 Hz
at 2.4 cm/sec.

Fast Play:

2.4 cm/sec. ..... +25%

1.2 cm/sec. ..... +30%

Power Sources:

Internal Batteries ..... 3 Volts DC,
Two AA Batteries

AC Power ..... 120V with AC Adapter

Vehicle Battery ..... 12V with DC

Typical Cassette Recording Time
(with Alkaline Batteries) ..... 17 Hours

Dimensions (HWD) ..... $4.8 \times 2.5 \times 0.9$ in.
($122 \times 64 \times 24$ mm)

Weight (with batteries) ..... 5.6 oz. (160 g)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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